NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

List of Contents, Keyword and Author Index
Volume 24, 2000

Pergamon

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

Editors-in-Chief

STEVEN J. COOPER
Department of Psychology
University of Durham
Science Laboratories
South Road
Durham DH1 3LE, UK
E-mail: s.j.cooper@durham.ac.uk

ANN E. KELLEY
Department of Psychiatry
University of Wisconsin - Madison Medical School
6001 Research Park Blvd
Madison, WI 53719
USA
E-mail: aekelley@macc.wisc.edu

Editorial Advisory Board

JOHN AGGLETON, University of Wales, College of Cardiff, Cardiff, UK
JOCELYNE BACHEVALIER, University of Texas Health Science Center, Houston, TX
CAROL A. BARNES, University of Arizona, Tucson, AZ
JILL BECKER, University of Michigan, Ann Arbor, MI
D. CAROLINE BLANCHARD, University of Hawaii, Honolulu, HI
H. STEFAN BRACHA, VA National Center for PTSD, Honolulu, HI
LARRY L. BUTCHER, University of California, Los Angeles, CA
ANTOINE DEPAULIS, INSERM, Strasbourg, France
JEAN DE VRY, Institute of Neurobiology, Cologne, Germany
GAETANO DI CHIARA, University of Cagliari, Cagliari, Italy
COLIN T. DOURISH, Cerebrus Ltd, Ascot, UK
DAVID EILAM, Tel Aviv University, Tel Aviv, Israel
BARRY J. EVERITT, University of Cambridge, Cambridge, UK
MICHAEL S. FANSELOW, University of California, Los Angeles, CA
A. J. GOUDIE, University of Liverpool, Liverpool, UK
MARK A. GLUCK, Rutgers University, Newark, NJ
CHARLES A. HEYWOOD, Univesity of Durham, Durham, UK
MICHAEL H. JOSEPH, University of Leicester, Leicester, UK
NEIL McNAUGHTON, University of Otago, Dunedin, New Zealand
PETER J. MORGANE, University of New England, Biddleford, ME
JOHN NELSON, Monash University, Clayton Victoria, Australia
RANDOLPH J. NUDO, University of Texas, Houston, TX
GEORGE PAXINOS, University of New South Wales, Sydney, Australia
PETER REDGRAVE, University of Sheffield, Sheffield, UK
TREVOR W. ROBBINS, University of Cambridge, Cambridge, UK
TERRY E. ROBINSON, University of Michigan, Ann Arbor, MI
JERRY RUDY, University of Colorado, Boulder, CO
BENJAMIN RUSAK, Dalhousie University, Halifax, NS, Canada
PAUL SANBERG, University of South Florida, Tampa, FL
SUSAN SCHIFFMAN, Duke University, Durham, NC
PER A. T. SÖDERSTEN, Karolinska Institute, Stockholm, Sweden
RICHARD F. THOMPSON, University of Southern California, Los Angeles, CA
IAN Q. WHISHAW, University of Lethbridge, Lethbridge, AB, Canada
NORMAN WHITE, McGill University, Montreal, Que., Canada
JOHN YEOMANS, University of Toronto, Toronto, ON, Canada

Founding Editor: Matthew J. Wayner

Neuroscience & Biobehavioral Reviews is an official journal of the International Behavioral Neuroscience Society. For information about the society, please contact: Marianne Van Wagner, IBNS Central Office, Division of Life Sciences, The University of Texas at San Antonio, 6900 North Loop 1064 West, San Antonio, TX 78249-0662 USA. Fax: (210) 458-4510 or E-mail: editoff@lonestar.utsa.edu.
Members of the International Behavioral Neuroscience Society may order personal subscriptions at a concessional rate: details of this rate are available upon request.

Author Service Department For queries relating to the general submission of articles (including electronic text and artwork) and the status of accepted manuscripts, please contact the Author Service Department: e-mail: authors@elsevier.co.uk; *Fax* +44 (0)1865 843905; *Tel.* +44 (0)1865 843900.

CONTENTS OF VOLUME 24

NUMBER 1

A. G. Sadile	Editorial	1
A. Berger and M. I. Posner	Pathologies of brain attentional networks	3
J. Sergeant	The cognitive-energetic model: an empirical approach to Attention-Deficit Hyperactivity Disorder	7
K. Rubia, S. Overmeyer, E. Taylor, M. Brammer, S. C. R. Williams, A. Simmons, C. Andrew and E. T. Bullmore	Functional frontalisation with age: mapping neurodevelopmental trajectories with fMRI	13
J. M. Swanson, P. Flodman, J. Kennedy, M. A. Spence, R. Moyzis, S. Schuck, M. Murias, J. Moriarity, C. Barr, M. Smith and M. Posner	Dopamine genes and ADHD	21
M. V. Solanto	Clinical psychopharmacology of AD/HD: Implications for animal models	27
T. Sagvolden	Behavioral validation of the spontaneously hypertensive rat (SHR) as an animal model of attention-deficit/hyperactivity disorder (AD/HD)	31
E. D. Hendley	WKHA rats with genetic hyperactivity and hyperreactivity to stress: a review	41
F. Magara, L. Ricceri, D. P. Wolfer and H.-P. Lipp	The acallosal mouse strain I/LnJ: a putative model of ADHD?	45
M. C. Wilson	Coloboma mouse mutant as an animal model of hyperkinesis and attention deficit hyperactivity disorder	51
R. Aspide, A. Fresiello, G. de Filippis, U. A. Gironi Carnevale and A. G. Sadile	Non-selective attention in a rat model of hyperactivity and attention deficit: subchronic methylphenydate and nitric oxide synthesis inhibitor treatment	59
F. Cirulli and G. Laviola	Paradoxical effects of d-amphetamine in infant and adolescent mice: role of gender and environmental risk factors	73
D. S. Zahm	An integrative neuroanatomical perspective on some subcortical substrates of adaptive responding with emphasis on the nucleus accumbens	85
M. B. Passani, L. Bacciottini, P. F. Mannaioni and P. Blandina	Central histaminergic system and cognition	107
E. L. Gardner and C. R. Ashby Jr	Heterogeneity of the mesotelencephalic dopamine fibers: physiology and pharmacology	115
C. Perrone-Capano, P. Da Pozzo and U. di Porzio	Epigenetic cues in midbrain dopaminergic neuron development	119
D. Vallone, R. Picetti and E. Borrelli	Structure and function of dopamine receptors	125
V. A. Russell	The nucleus accumbens motor-limbic interface of the spontaneously hypertensive rat as studied in vitro by the superfusion slice technique	133
S. L. Andersen and M. H. Teicher	Sex differences in dopamine receptors and their relevance to ADHD	137
H. Sawada and S. Shimohama	Neuroprotective effects of estradiol in mesencephalic dopaminergic neurons	143
M. Papa, S. Sellitti and A. G. Sadile	Remodeling of neural networks in the anterior forebrain of an animal model of hyperactivity and attention deficits as monitored by molecular imaging probes	149
F. Gonzalez-Lima and A. G. Sadile	Network operations revealed by brain metabolic mapping in a genetic model of hyperactivity and attention deficit: the Naples high- and low-excitability rats	157
A. G. Sadile	Multiple evidence of a segmental defect in the anterior forebrain of an animal model of hyperactivity and attention deficit	161

NUMBER 2

H. R. Kissileff	Guest Editorial	171
K. C. Berridge	Measuring hedonic impact in animals and infants: microstructure of affective taste reactivity patterns	173
J. C. Smith	Microstructure of the rat's intake of food, sucrose and saccharin in 24-hour tests	199
P. G. Clifton	Meal patterning in rodents: psychopharmacological and neuroanatomical studies	213

F. Bellisle, B. Guy-Grand and J. Le Magnen	Chewing and swallowing as indices of the stimulation to eat during meals in humans: effects revealed by the edogram method and video recordings	223
T. A. Spiegel	Rate of intake, bites, and chews—the interpretation of lean–obese differences	229
M. S. Westerterp-Plantenga	Eating behavior in humans, characterized by cumulative food intake curves—a review	239
M. R. Yeomans	Rating changes over the course of meals: what do they tell us about motivation to eat	249
J. L. Guss and H. R. Kissileff	Microstructural analyses of human ingestive patterns: from description to mechanistic hypotheses	261

NUMBER 3

P. S. Sachdev and M. Brüne	Animal models of acute drug-induced akathisia – a review	269
D. L. Wolgin	Contingent tolerance to amphetamine hypophagia: new insights into the role of environmental context in the expression of stereotypy	279
P. R. Laming, H. Kimelberg, S. Robinson, A. Salm, N. Hawrylak, C. Müller, B. Roots and K. Ng	Neuronal–glial interactions and behaviour	295
J. De Vry and R. Schreiber	Effects of selected serotonin 5-HT_1 and 5-HT_2 receptor agonists on feeding behavior: possible mechanisms of action	341
S. Baron-Cohen, H. A. Ring, E. T. Bullmore, S. Wheelwright, C. Ashwin and S. C. R. Williams	The amygdala theory of autism	355
A. Collie and P. Maruff	The neuropsychology of preclinical Alzheimer's disease and mild cognitive impairment	365
J. S. Mogil, E. J. Chesler, S. G. Wilson, J. M. Juraska and W. F. Sternberg	Sex differences in thermal nociception and morphine antinociception in rodents depend on genotype	375

NUMBER 4

A. C. Spector	Linking gustatory neurobiology to behavior in vertebrates	391
L. P. Spear	The adolescent brain and age-related behavioral manifestations	417
M. Colombo and N. Broadbent	Is the avian hippocampus a functional homologue of the mammalian hippocampus?	465
R. B. Fillingim and T. J. Ness	Sex-related hormonal influences on pain and analgesic responses	485

NUMBER 5

R. C. Rosen and B. D. Sachs	Editorial	503
W. D. Steers	Neural pathways and central sites involved in penile erection: neuroanatomy and clinical implications	507
F. Giuliano and O. Rampin	Central neural regulation of penile erection	517
K. E. McKenna	Some proposals regarding the organization of the central nervous system control of penile erection	535
B. D. Sachs	Contextual approaches to the physiology and classification of erectile function, erectile dysfunction, and sexual arousal	541
J. P. W. Heaton	Central neuropharmacological agents and mechanisms in erectile dysfunction: the role of dopamine	561
J. Bancroft and E. Janssen	The dual control model of male sexual response: a theoretical approach to centrally mediated erectile dysfunction	571

NUMBER 6

N. J. Emery	The eyes have it: the neuroethology, function and evolution of social gaze	581
I. Weinberg	The ultimate resignation: suicide and search activity	605
S. L. Klein	The effects of hormones on sex differences in infection: from genes to behavior	627

K. C. Ross and J. R. Coleman	Developmental and genetic audiogenic seizure models: behavior and biological substrates	639
M. Gesi, P. Soldani, F. S. Giorgi, A. Santinami, I. Bonaccorsi and F. Fornai	The role of the locus coeruleus in the development of Parkinson's disease	655
J. S. Lonstein and G. J. De Vries	Sex differences in the parental behavior of rodents	669

NUMBER 7

R. Adamec	Introduction to the special issue on kindling and behavior	687
L. E. Kalynchuk	Long-term amygdala kindling in rats as a model for the study of interictal emotionality in temporal lobe epilepsy	691
R. Adamec and B. Young	Neuroplasticity in specific limbic system circuits may mediate specific kindling induced changes in animal affect—implications for understanding anxiety associated with epilepsy	705
D. K. Hannesson and M. E. Corcoran	The mnemonic effects of kindling	725
H. E. Edwards, N. J. MacLusky and W. M. Burnham	The effect of seizures and kindling on reproductive hormones in the rat	753
L. S. Leung, J. Ma and R. S. McLachlan	Behaviors induced or disrupted by complex partial seizures	763

NUMBER 8

J. A. Horne	REM sleep — by default?	777
I. Weinberg	The prisoners of despair: right hemisphere deficiency and suicide	799
N. C. Rattenborg, C. J. Amlaner and S. L. Lima	Behavioral, neurophysiological and evolutionary perspectives on unihemispheric sleep	817
L. Gagliese and R. Melzack	Age differences in nociception and pain behaviours in the rat	843
R. J. Schulingkamp, T. C. Pagano, D. Hung and R. B. Raffa	Insulin receptors and insulin action in the brain: review and clinical implications	855